Afeez O Gbadamosi

List of Publications by Year
in descending order

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57 papers	2,089 citations	279798 23 h-index	254184 43 g-index
58 all docs	58 docs citations	58 times ranked	1178 citing authors

#	Article	IF	Citations
1	An overview of chemical enhanced oil recovery: recent advances and prospects. International Nano Letters, 2019, 9, 171-202.	5.0	302
2	A comprehensive review of experimental studies of nanoparticles-stabilized foam for enhanced oil recovery. Journal of Petroleum Science and Engineering, 2018, 164, 43-74.	4.2	224
3	Recent advances and prospects in polymeric nanofluids application for enhanced oil recovery. Journal of Industrial and Engineering Chemistry, 2018, 66, 1-19.	5.8	132
4	An overview of superhydrophobic ceramic membrane surface modification for oil-water separation. Journal of Materials Research and Technology, 2021, 12, 643-667.	5.8	90
5	Mechanism governing nanoparticle flow behaviour in porous media: insight for enhanced oil recovery applications. International Nano Letters, 2018, 8, 49-77.	5.0	84
6	Synergistic application of aluminium oxide nanoparticles and oilfield polyacrylamide for enhanced oil recovery. Journal of Petroleum Science and Engineering, 2019, 182, 106345.	4.2	72
7	Experimental investigation of the effects of silica nanoparticle on hole cleaning efficiency of water-based drilling mud. Journal of Petroleum Science and Engineering, 2019, 172, 1226-1234.	4.2	69
8	A review of gas enhanced oil recovery schemes used in the North Sea. Journal of Petroleum Exploration and Production, 2018, 8, 1373-1387.	2.4	64
9	Application of Polymers for Chemical Enhanced Oil Recovery: A Review. Polymers, 2022, 14, 1433.	4.5	55
10	Effect of aluminium oxide nanoparticles on oilfield polyacrylamide: Rheology, interfacial tension, wettability and oil displacement studies. Journal of Molecular Liquids, 2019, 296, 111863.	4.9	50
11	Influence of nanoprecipitation on crystalline starch nanoparticle formed by ultrasonic assisted weak-acid hydrolysis of cassava starch and the rheology of their solutions. Chemical Engineering and Processing: Process Intensification, 2019, 142, 107556.	3.6	49
12	Hybrid suspension of polymer and nanoparticles for enhanced oil recovery. Polymer Bulletin, 2019, 76, 6193-6230.	3.3	49
13	Biodiesel production from transesterified waste cooking oil by zinc-modified anthill catalyst: Parametric optimization and biodiesel properties improvement. Journal of Environmental Chemical Engineering, 2021, 9, 104955.	6.7	47
14	Ultrasonic assisted ultrafiltration process for emulsification of oil field produced water treatment. Ultrasonics Sonochemistry, 2019, 51, 214-222.	8.2	39
15	A novel approach to enhance rheological and filtration properties of waterâ€“based mud using polypropyleneâ€“silica nanocomposite. Journal of Petroleum Science and Engineering, 2019, 181, 106264.	4.2	37
16	Application of polymeric nanofluid in enhancing oil recovery at reservoir condition. Journal of Petroleum Science and Engineering, 2020, 194, 107476.	4.2	37
17	Investigating almond seed oil as potential biodiesel-based drilling mud. Journal of Petroleum Science and Engineering, 2019, 181, 106201.	4.2	33
18	Influence of (3â€“Aminopropyl) triethoxysilane on silica nanoparticle for enhanced oil recovery. Journal of Molecular Liquids, 2020, 315, 113740.	4.9	33

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19	Synthesis and application of rice husk silica nanoparticles for chemical enhanced oil recovery. Journal of Materials Research and Technology, 2020, 9, 13054-13066.	5.8	32
20	Ultrasound-assisted weak-acid hydrolysis of crystalline starch nanoparticles for chemical enhanced oil recovery. International Journal of Biological Macromolecules, 2020, 148, 1251-1271.	7.5	30
21	Influence of (3â€“Aminopropyl) triethoxysilane on entrapped polypropylene at nanosilica composite for shale swelling and hydration inhibition. Journal of Petroleum Science and Engineering, 2020, 194, 107560.	4.2	29
22	Impact of organosilanes modified <scp>superhydrophobicâ€superoleophilic</scp> kaolin ceramic membrane on efficiency of oil recovery from produced water. Journal of Chemical Technology and Biotechnology, 2020, 95, 3300-3315.	3.2	28
23	Numerical study for continuous surfactant flooding considering adsorption in heterogeneous reservoir. Journal of King Saud University, Engineering Sciences, 2020, 32, 91-99.	2.0	25
24	Comparing natural and synthetic polymeric nanofluids in a mid-permeability sandstone reservoir condition. Journal of Molecular Liquids, 2020, 317, 113947.	4.9	25
25	Synergy of the flow behaviour and disperse phase of cellulose nanoparticles in enhancing oil recovery at reservoir condition. PLoS ONE, 2019, 14, e0220778.	2.5	23
26	Effect of the surface charge of entrapped polypropylene at nanosilica-composite on cuttings transport capacity of water-based muds. Applied Nanoscience (Switzerland), 2020, 10, 61-82.	3.1	23
27	Experimental investigation of cuttings transportation in deviated and horizontal wellbores using polypropyleneâ€“nanosilica composite drilling mud. Journal of Petroleum Science and Engineering, 2020, 189, 106958.	4.2	23
28	Synthesis and characterization of anthill-eggshell composite adsorbent for removal of hexavalent chromium from aqueous solution. Environmental Science and Pollution Research, 2018, 25, 19143-19154.	5.3	22
29	Magnetite-sporopollenin/graphene oxide as new preconcentration adsorbent for removal of polar organophosphorus pesticides in vegetables. Environmental Science and Pollution Research, 2018, 25, 35130-35142.	5.3	21
30	Experimental investigation of the effect of henna leaf extracts on cuttings transportation in highly deviated and horizontal wells. Journal of Petroleum Exploration and Production, 2019, 9, 2387-2404.	2.4	20
31	Laboratory evaluation to field application of ultrasound: A state-of-the-art review on the effect of ultrasonication on enhanced oil recovery mechanisms. Journal of Industrial and Engineering Chemistry, 2022, 110, 100-119.	5.8	19
32	Comparative study of continuous and intermittent ultrasonic ultrafiltration membrane for treatment of synthetic produced water containing emulsion. Chemical Engineering and Processing: Process Intensification, 2018, 132, 137-147.	3.6	18
33	Improving Hole Cleaning Efficiency using Nanosilica in Water-Based Drilling Mud. , 2018, , .		18
34	Amphipathic anionic surfactant modified hydrophilic polyethylene glycol-nanosilica composite as effective viscosifier and filtration control agent for water-based drilling muds. Arabian Journal of Chemistry, 2022, 15, 103741.	4.9	18
35	Oil-water interfacial tension, wettability alteration and foaming studies of natural surfactant extracted from Vernonia Amygdalina. Petroleum Research, 2022, 7, 350-356.	2.7	18
36	Formulation of bionanomaterials: A review of particle design towards oil recovery applications. Journal of Industrial and Engineering Chemistry, 2021, 98, 82-102.	5.8	16

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37	Extraction, characterization and evaluation of saponin-based natural surfactant for enhanced oil recovery. Arabian Journal of Geosciences, 2022, 15, 1.	1.3	16
38	Influence of polypropylene beads and sodium carbonate treated nanosilica in water-based muds for cuttings transport. Journal of Petroleum Science and Engineering, 2021, 200, 108435.	4.2	15
39	Uncertainty analysis of hydrocarbon in place calculation using 3D seismic and well data during appraisal stage â€“ Case study of Goldie Field, offshore Sarawak. Journal of Natural Gas Science and Engineering, 2018, 57, 238-265.	4.4	13
40	Effect of dynamic spreading and the disperse phase of crystalline starch nanoparticles in enhancing oil recovery at reservoir condition of a typical sarawak oil field. Applied Nanoscience (Switzerland), 2020, 10, 263-279.	3.1	13
41	Enhanced cuttings transport efficiency of water-based muds using (3â€“Aminopropyl) triethoxysilane on polypropylene-nanosilica composite. Arabian Journal of Chemistry, 2020, 13, 6904-6920.	4.9	13
42	Adsorption Study of Novel Gemini Cationic Surfactant in Carbonate Reservoir Coresâ€”Influence of Critical Parameters. Materials, 2022, 15, 2527.	2.9	13
43	Treated Rhizophora mucronata tannin as a corrosion inhibitor in chloride solution. PLoS ONE, 2018, 13, e0200595.	2.5	12
44	Modelling of continuous surfactant flooding application for marginal oilfields: a case study of Bentiu reservoir. Journal of Petroleum Exploration and Production, 2021, 11, 989-1006.	2.4	12
45	Mechanistic study of nanoparticles-assisted xanthan gum polymer flooding for enhanced oil recovery: a comparative study. Journal of Petroleum Exploration and Production, 2022, 12, 207-213.	2.4	12
46	Evaluation of a naturally derived tannin extracts biopolymer additive in drilling muds for high-temperature well applications. Journal of Petroleum Exploration and Production, 2020, 10, 623-639.	2.4	11
47	Intermittent and short duration ultrasound in a simulated porous medium. Petroleum, 2019, 5, 42-51.	2.8	10
48	Nanotechnology Application in Chemical Enhanced Oil Recovery: Current Opinion and Recent Advances. , 0, , .		9
49	Study of cuttings lifting with different annular velocities using partially hydrolyzed polyacrylamide and enriched polypropyleneâ€“nanosilica composite in deviated and horizontal wells. Applied Nanoscience (Switzerland), 2020, 10, 971-993.	3.1	9
50	Tailoring of nanoparticles for chemical enhanced oil recovery activities: a review. International Journal of Nanomanufacturing, 2020, 16, 107.	0.3	9
51	Pumice-supported ZnO-photocatalyzed degradation of organic pollutant in textile effluent: optimization by response surface methodology, artificial neural network, and adaptive neural-fuzzy inference system. Environmental Science and Pollution Research, 2022, 29, 25138-25156.	5.3	9
52	Ultrasound-assisted nanofluid flooding to enhance heavy oil recovery in a simulated porous media. Arabian Journal of Chemistry, 2022, 15, 103784.	4.9	9
53	Process optimization of reservoir fines trapping by mesoporous silica nanoparticles using Box-Behnken design. AEJ - Alexandria Engineering Journal, 2022, 61, 8809-8821.	6.4	9
54	Influence of Ultrasonic on the Flow Behavior and Disperse Phase of Cellulose Nano-particles at Fluidâ€“Fluid Interface. Natural Resources Research, 2020, 29, 1427-1446.	4.7	7

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55	Lignin As a Potential Additive For Minimizing Surfactant Adsorption On Clay Minerals In Different Electrolyte Concentration. , 2019, , .		5
56	Impact of Geological Interpretation on Reservoir 3D Static Model: Workflow, Methodology Approach and Delivery Process. , 2019, , .		3
57	Evaluation of Continuous Surfactant Flooding in North East Africa: Case Study of Bentiu Reservoir. , 2020, , .		3